Approved For Release 2005/06/01 : CIA-RDP80-00809A000500760053	000500760053-7	00809A0	CIA-RDP80-	2005/06/01 :	Approved For Release
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## VACUUM FUBE GLASS USED IN THE USSR - 1945-50

		Chemical Composition									
Type of Glass	Maker	510 <sub>2</sub>	3 <sub>2</sub> 0 <sub>3</sub>	A1 <sub>2</sub> 0 <sub>3</sub>	Ca.O	MgO	BaC	PbO	ZnO	Na <sub>2</sub> O	K <sub>2</sub> 0
Lead silicate IB		72.0	-	-	6.3	1	-	5•3	-	10.7	16.7
" " Mr 16		70.0	-	-	3.8	-	-	10.4		11.0	4.8
a u AIB		660		1.0	2.5	-	-	14-5	<b>-</b> -,	9.0	7.0
* * C ~ 1	Corning USA	62.0	-	2.0	-	-	-	20 <b>.</b> 5	-	7•7	6.0
3C-4 (Nr 12)	Nii 160	55.0	-	1.7	0.3	-	-	30.0	-	3.8	9.2
Dolomitglas Nr82		74.0	-		5.8	3.6	-	-		16.6	-
# Nr71		73.3	_	0.4	5.4	3.9	-	-	-	17.0	-
# 4-8	Corning USA	70.8		1.6	5.5	3.8	-	-	~	16.2	0.7
Baritglas 6,4, 1		69.4	-	-	5-5	3.5	540	-	-	12.5	4.1
" Nr 112		71.5	ua	**	: カッラ	1.5	7.0		-	10.0	5•5
" Nr 23		68.4	2.7	3.9	8.5	-	-		-	9-4	7.1
n Nr 23	N11 160	68.39	3.66	3.89	8.5	-	-	_	-	9.4	7.14
Molybdaenglas Nr 46		68.0	17.5	3.0	-	-	-	_	5.0	6.5	-
" Nr 46	N11 160	66.75	20.25	3.5	_	-	-	-	-	3.9	5•35
" G-705 A3	Corning USA	67.0	22.0	2.0	_	-	-	-	_		• 5
# 3C-5		68.0	20.0	3.0	_	-	-	-	-	4.0	5.0
* N4 35	<u> </u>	63.0	24.9	1.5	-	_	-	-	-	9.1	1.5
Nonex	Corning USA	73.0	16.5	-	-	-	-	6.0	-		- 5
Pyrex	Corning USA	80.8	12.0	2.2	0.3	_		_	_	4.1	0.1

ENCLOSURE (A)

SECRET

25X1

Approved For Release 2005/06/01 : CIA-RDP80-00809A000500	760053 <i>5</i> 7 <sub>×1</sub>
25X1	20/(1

SECRET.	

## VACUUM TUBE GIASS USED IN THE USSR - 1945-50

		Physical Properties				
Type of	Purpose	Temp. Annealing Strain Point Point		of Expansion		
	<u> </u>	$\eta = 25.10^{13}$	η <b>-</b> 10 <sup>9</sup>	<del>د ۱۵</del> 7 م		
I B	Rx and Tx valves		510-530	87-90	25-100°C	
Nr 16	Tubes, rods, lamp pinches	460	490-510	67-90	25-100°C	
IV B	Tubes, pinches/bases for Ex valves	450	480-500	87-90	25 <b>-</b> 100°0	
G.1	n 11	425		92	25-325°C	
3 C-4	n n	425	475-490	85-89	0-310°C	
Nr 82	Lamp and Rx valve envelopes	500	520-550	88-92	25 <b>-</b> 100°c	
P= 71	Comment of	500	510-530	87-90	25-100°C	
6A 1	Glass tube for but- ton bases, lamps and small valves		510-540	86-90	25 <b>-</b> 100°C	
Nr 11.2	n et		510-550	87-90	25 <b>-</b> 100°C	
Nr 23	Envelopes and tubes for Tx, X-ray and other larger					
19 44	valves	530	570-590	84-87	25 <b>–</b> 100°C	
Nr 46	n n	550	580-600	46-48	25 <b>–</b> 100°C	
3 C - 5	pt 11	515	560-570	48-50	25 <b>-</b> 100°C	
Nr 35	11 11		560-580	52~56	25 <b>-</b> 100°C	
702 P	et et	520	580	36	25 <b>-</b> 325°C	
Pyrex	Kinoscopes	560	620	33	25-325°C	

ENCLOSURE (B)

SECRET

25X1